

CVPU™

VOICE PROJECTION UNIT

Avon Protection's CVPU Voice Projection Unit integrates seamlessly with all Avon Protection 50/53/54 series respirators, enabling the operator's voice to be amplified without compromising protection, extending clear, intelligible speech to nearby personnel while maintaining full communications integration with Avon's TMC range, ensuring operational effectiveness in dynamic combat environments.

Digital Voice Processing (DVP) enhances voice clarity and suppresses external sounds in high noise environments, ensuring intelligible speech communication during critical operations.

SPECIFICATIONS

Description		Part No.
CVPU (with 50 series and 53/54 series brackets included)		608498
50 Series Bracket (spare)		608194
53/54 Series Bracket (spare)		608195
Physical Characteristics		
Weight (including backplate and batteries)		<170g / 0.4 lb
Color		Black
Dimensions	53/54 series	H: 102 x W: 68 x D: 38mm H: 4.0 x W: 2.6 x D: 1.5in
	50 series	H: 102 x W: 68 x D: 48mm H: 4.0 x W: 2.6 x D: 1.9in
Protrusion from mask		< 32mm / < 1.2in

50 SERIES



53/54 SERIES



FEATURES, BENEFITS & PERFORMANCE

- The CVPU ensures clear voice transmission while maintaining mask integrity and reducing interference from external noise.
- Configurable backplates ensures connection to Avon 50/53/54 series respirator (excluding PC50).
- Designed to meet the requirements of NFPA 1986 Speech Transmission Index (STI) performance
- Connects to all Avon Tactical Mask Communications (TMC) equipment.
- The CVPU utilizes a removable internal microphone which connects to the mask Electronic Communication Port (ECP).
- 2 x AAA batteries provide >24 hours battery life. TMC radio communication remains functional when battery has extremely low charge.
- Dual mode operation offers concurrent voice amplification and radio communication and a stealth mode which allows for the VPU to be silenced whilst maintaining radio communications.
- Operational temperature range:
-32°C to 49°C (-25°F to 120°F), 5 to 100% humidity.
- Recommended storage temperature range:
20°C +/- 10°C (68°F +/- 18°F) <85% relative humidity.
- High performing communications unit which has been designed to meet the latest certification standards:
 - EMC Directive 2014/30/EU
 - IP 68
 - UL-913 Class I-III, Division 1, Group A-G, T4, intrinsic safety.